

Title (en)

Method for manufacturing light emitting diodes

Title (de)

Verfahren zur Herstellung von Leuchtdioden

Title (fr)

Procédé pour la manufacture des diodes électroluminescentes

Publication

EP 1734592 A2 20061220 (EN)

Application

EP 06290985 A 20060616

Priority

KR 20050051671 A 20050616

Abstract (en)

A method for manufacturing the LEDs is disclosed, whereby the light extraction efficiency of the device can be enhanced by forming patterns on a top surface of a substrate, a light emitting structure is formed on the top surface of the substrate formed with the patterns, the substrate is removed from the light emitting structure, and patterns corresponding to those formed on top surface of the substrate are formed on the surface of the light emitting structure.

IPC 8 full level

H01L 33/32 (2010.01); **H01L 33/42** (2010.01)

CPC (source: EP US)

H01L 33/0093 (2020.05 - EP US); **H01L 33/22** (2013.01 - EP US)

Citation (applicant)

- WO 2005015648 A1 20050217 - EPIVALLEY CO LTD [KR], et al
- US 6562648 B1 20030513 - WONG WILLIAM S [US], et al

Cited by

EP1798780A3; EP2317574A3; US8698125B2; EP2858128B1; EP2003702A1; EP2940741B1

Designated contracting state (EPC)

DE FI FR GB NL

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1734592 A2 20061220; EP 1734592 A3 20090318; EP 1734592 B1 20101117; CN 100407464 C 20080730; CN 1881631 A 20061220; DE 602006018223 D1 20101230; EP 2264795 A2 20101222; EP 2264795 A3 20110302; EP 2264795 B1 20150422; JP 2006352129 A 20061228; JP 2010245542 A 20101028; JP 4786430 B2 20111005; KR 20060131327 A 20061220; US 2006286697 A1 20061221; US 2007267644 A1 20071122; US 8008646 B2 20110830; US 8709835 B2 20140429

DOCDB simple family (application)

EP 06290985 A 20060616; CN 200610093738 A 20060616; DE 602006018223 T 20060616; EP 10183454 A 20060616; JP 2006164196 A 20060614; JP 2010105176 A 20100430; KR 20050051671 A 20050616; US 45034306 A 20060612; US 80207307 A 20070518